

CLAIMS

WE CLAIM:

1. An apparatus for repairing a femur comprising in combination:
 - (A) a connector having a superior end and an inferior end, at least a lateral side, a medial side opposite the lateral side, an anterior, and a posterior side opposing the anterior side;
 - (B) at least one claw at the superior end;
 - (C) at least one cable aperture or surface groove along the connector extending from one side to another side of the connector; and
 - (D) at least one bone screw slot along the connector extending from the lateral side to the medial side.
2. The apparatus of claim 1, wherein the superior end has a first transition portion that is detachable from a second transition portion of the inferior end.
3. The apparatus of claim 1, wherein the inferior end is bowed or rotated to more properly align with a bone of the body.
4. The apparatus of claim 1, wherein the connector includes a transition portion between the inferior end and the superior end to allow bending of the connector

to more properly align with a bone of the body.

5. The apparatus of claim 1, wherein the bone screw slot is located along the inferior end.

6. The apparatus of claim 1, wherein the bone screw slot is a compression-type slot.

7. The apparatus of claim 1 further comprising:
(E) at least one bone screw engageable within the bone screw slot and within a bone of the body.

8. The apparatus of claim 1, wherein the bone screw slot is configured to angle a bone screw when it is inserted into the bone screw slot to avoid a prosthesis in the body.

9. The apparatus of claim 1, wherein the superior end includes cable aperture.

10. The apparatus of claim 9, wherein the cable aperture is angled or on a

curved path relative to the anterior and posterior sides of the superior end.



11. The apparatus of claim 1 further comprising:
(E) a cable insertable within the cable aperture.

12. The apparatus of claim 1 further comprising:
(E) at least one cable screw slot along the connector extending from the lateral side to the cable aperture.

13. The apparatus of claim 12 further comprising:
(F) at least one cable screw each engageable within the respective cable screw slot and capable of crimping a cable within the cable aperture.

14. The apparatus of claim 1 further comprising:
(E) a driver slot along the lateral side of the superior end.

15. The apparatus of claim 14 further comprising:
(F) a driver engageable with the driver slot.

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16. An apparatus for repairing a hip comprising in combination:

- (A) a connector having a superior end and an inferior end, a lateral side, a medial side opposite the lateral side, an anterior side, and a posterior side opposing the anterior side;
- (B) at least one cable aperture along the connector; and
- (C) at least one cable aperture or surface groove along the superior end.

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17. The apparatus of claim 16, wherein the superior end has a first transition portion that is detachable from a second transition portion of the inferior end.

18. The apparatus of claim 16, wherein the superior end further comprises at least one claw member.

19. The apparatus of claim 16, wherein the inferior end is bowed or rotated to more properly align with a bone of the body.

20. The apparatus of claim 16, wherein the connector includes a transition portion between the inferior end and the superior end to allow bending of the connector to more properly align with a bone of the body.

21. The apparatus of claim 16, further comprising:

(D) at least one bone screw slot along the connector extending from the lateral side to the medial side.

22. The apparatus of claim 21, wherein the bone screw slot is located along the inferior end.

23. The apparatus of claim 21, wherein the bone screw slot is a compression-type slot.

24. The apparatus of claim 21 further comprising:

(E) at least one bone screw engageable within the bone screw slot and within a bone of the body.

25. The apparatus of claim 21, wherein the bone screw slot is configured to angle a bone screw when it is inserted into the bone screw slot to avoid a prothesis in the body.

26. The apparatus of claim 16, wherein the cable aperture is angled relative to a lateral side of the superior end.

27. The apparatus of claim 16 further comprising:
(D) a cable insertable within the cable aperture.

28. The apparatus of claim 16 further comprising:
(D) at least one cable screw slot along the connector extending from the lateral side to the cable aperture.

29. The apparatus of claim 28 further comprising:
(E) at least one cable screw engageable within the cable screw slot and capable of crimping a cable within the cable aperture.

30. The apparatus of claim 16 further comprising:
(D) a driver slot along the lateral side of the superior end.

31. The apparatus of claim 30 further comprising:
(E) a driver engageable with the driver slot.

32. A system for repairing a femur comprising in combination:
(A) a connector having a superior end and an inferior end, a lateral side, a

medial side opposite the lateral side, an anterior side and a posterior side
opposite the anterior side;

- (B) a driver slot along the lateral side of the superior end;
- (C) a transition portion in the connector between the inferior end and the
superior end to allow bending of the connector to properly align with a
bone of the body;
- (D) at least one cable aperture extending through opposing sides of the
superior end;
- (E) at least one cable aperture along the connector extending between the
anterior and posterior sides of the connector;
- (F) at least one cable screw slot along the connector extending from the
lateral side to the cable aperture; and
- (G) at least one bone screw slot along the inferior end of the connector
extending from the lateral side to the medial side.

33. The system of claim 32, wherein the superior end has a first transition
portion that is detachable from a second transition portion of the inferior end.

34. The system of claim 32 wherein the superior end further includes a claw-
like member.

35. The system of claim 32 wherein the inferior end of the connector is bowed to more properly align with a bone of the body.

36. A method of re-attaching a greater trochanter of a body comprising the steps of:

- (A) impacting a connector onto a lateral side of the greater trochanter;
- (B) positioning a medial side of the greater trochanter on the femur;
- (C) passing cables around the femur and through the connector;
- (D) tensioning the cables to provide engagement between the greater trochanter and the femur; and
- (E) attaching the connector to the femur using at least one bone screw.

37. The method of claim 36 wherein the step of impacting includes the step of screwing a driver into the connector.

38. A connector for repairing a femur comprising in combination:

- (A) a superior end having a first portion;
- (B) an inferior end having a second portion that is detachably mated to the first portion of the superior end, the inferior end having at least a lateral

side, a medial side opposite the lateral side, an anterior, and a posterior side opposing the anterior side; and

(C) at least one claw at the superior end.

39. The connector of claim 38, further comprising:

(D) at least one cable aperture or surface groove along the connector extending from one side to another side of the connector.

40. The connector of claim 39, further comprising:

(E) at least one bone screw slot along the connector extending from the lateral side to the medial side.

41. The connector of claim 39 wherein the inferior end and the superior end are mated by at least one screw.

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